

Pesticide Illness Surveillance Program (PISP) Database User Documentation/Dictionary

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Introduction

Pesticide-related illnesses have been tracked within the state of California for nearly 50 years. The California Environmental Protection Agency, Department of Pesticide Regulation (DPR) maintains a surveillance program which records human health effects of pesticide exposure. Information on adverse effects from pesticide products, including active ingredients, inert ingredients, impurities, or breakdown products are documented by the Pesticide Illness Surveillance Program (PISP). This program maintains a database, which is utilized for evaluating the circumstances of pesticide exposures resulting in illness. These data are consulted regularly by staff who evaluate the effectiveness of the DPR pesticide safety programs and recommend changes when appropriate.

Whom to Contact

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About the Pesticide Illness Surveillance Program Data

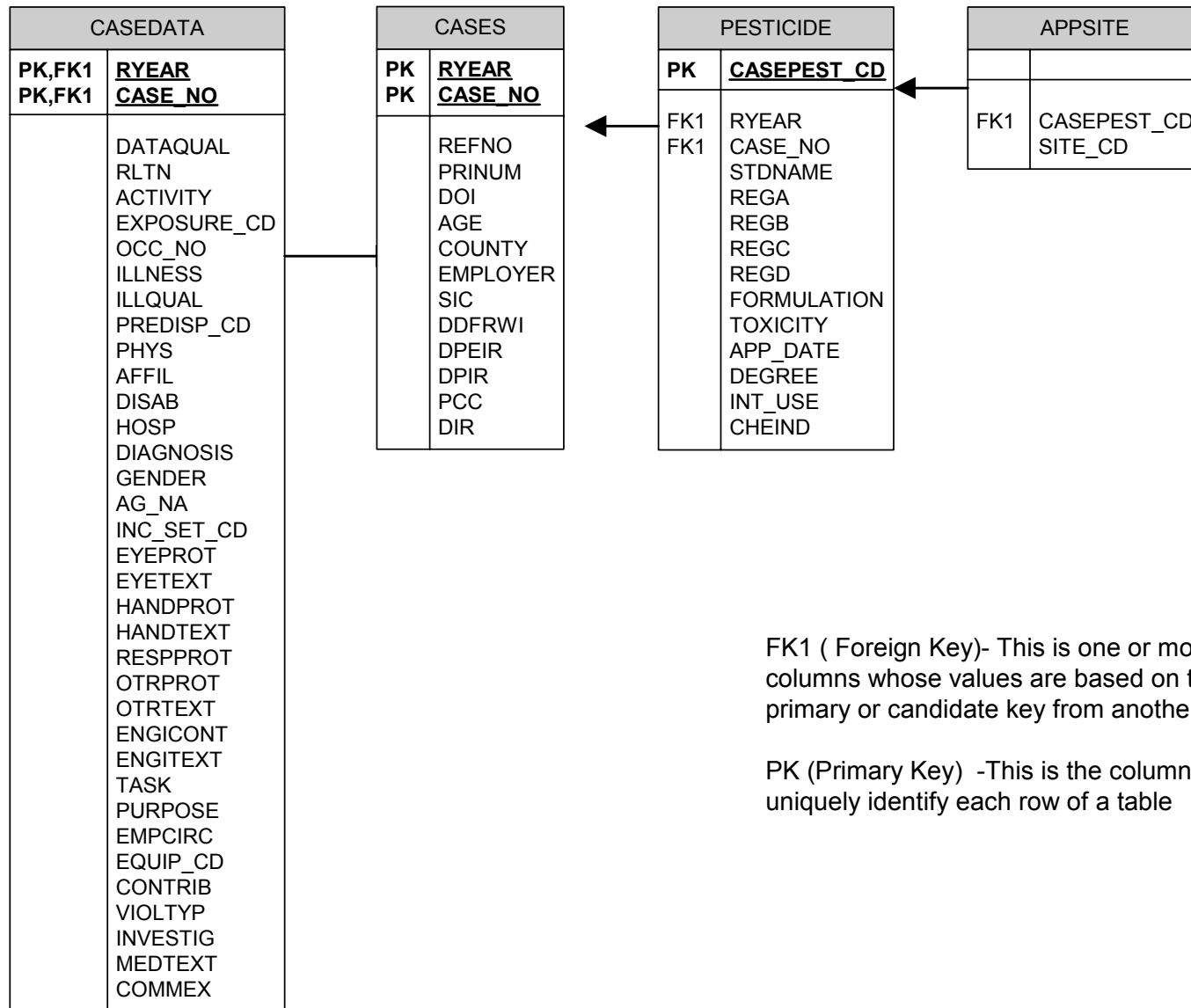
The Pesticide Illness Surveillance Program (PISP) maintains a database of pesticide-related illnesses. Medical reports are received either directly from physicians or by review of workers compensation reports forwarded to the Department of Industrial Relations. The local county agricultural commissioner subsequently investigates the exposure circumstances. Both the medical records and investigative findings are recorded in the database. These data are used primarily to determine trends in illness and injury produced by a particular pesticide or activity. The database seeks to capture a description of the pesticide exposure, causal products, injury and treatment data, assessment of the relationship of exposure to illness, and role of personal protective equipment use among other variables. Additional information is available on the departmental web site at <http://www.cdpr.ca.gov/docs/dprdocs/pisp/brochure.pdf>.

Section 1

Data Tables

This section provides a “Data Tables” chart and a description of each data table. The chart shows how the data tables are linked together within the PISP database. Each data table lists the fields within the data table and a description of the field. The shaded fields in the data tables are used to link the different data tables together.

Pesticide Illness Surveillance Program Oracle Data Tables



FK1 (Foreign Key)- This is one or more columns whose values are based on the primary or candidate key from another table

PK (Primary Key) -This is the column used to uniquely identify each row of a table

AppSite

Stores application site codes linked to entries in the “Pesticide” table. The value stored in casepest_cd identifies the pesticide entry to which the appsite entries correspond. The entries represent the site(s) to which the pesticide was applied.

Field Name	Data Type	Data Length	Description
CASEPEST_CD	Number	11	Linking field to the Pesticide table.
SITE_CD	Number	11	Site of the pesticide application. For incidents involving drift, the intended application site is listed. For crops, this includes applications at the growing site and to the commodity while being packed for sale.

CaseData

Stores all case evaluation data except for the following: 1) Case tracking information, 2) pesticide data, 3) application site, and 4) medical and physical test results and related information.

Field Name	Data Type	Data Length	Description
ACTIVITY	Number	6	Activity of the individual at the time of exposure.
AFFIL *	Varchar2	20	Name of the facility where the licensed medical provider saw the affected individual.
AG_NA	Number	6	Indicates whether the suspected pesticide(s) is intended to contribute to the production of agricultural commodities.
CASE_NO	Number	6	Identification number assigned to the case.
COMMEX	Varchar2	254	Brief descriptive narrative.
CONTRIB	Number	6	Other factors that contributed to the incident.
DATAQUAL	Number	4	Evaluation of the completeness of the provided information.
DIAGNOSIS	Varchar2	35	Diagnosis of the condition as stated in a medical record, or in the Doctors First Report of Occupational Illness or Injury (DFROII).
DISAB	Number	6	Number of full days (24-hour periods) an individual missed work or other normal activity such as school.
EMPCIRC	Number	6	Employment circumstances of individuals involved in the exposure.
ENGICONT	Number	6	Type of engineering controls used by the affected individual or other involved individuals at the time of the exposure.
ENGITEXT	Varchar2	20	Text field to record other types of engineering controls.

CaseData (Continued)

Field Name	Data Type	Data Length	Description
EQUIP_CD	Number	6	Type of equipment used for an application regardless of who made the application.
EXPOSURE_CD	Number	6	Characterization of how an individual came in contact with a pesticide.
EYEPROT	Number	6	Type of protective eyewear worn by the affected individual at the time of exposure.
EYETEXT	Varchar2	20	Text field to record other types of eye protection.
GENDER	Number	4	Gender of the affected individual.
HANDPROT	Number	6	Type of hand protection worn by the affected individual at the time of exposure.
HANDTEXT	Varchar2	20	Text field to record other types of hand protection measures.
HOSP	Number	6	Number of full days (24-hour periods) an individual was hospitalized.
ILLNESS	Number	6	Categorization of the type of symptoms experienced.
ILLQUAL	Number	6	Characteristics of the symptoms.
INC_SET_CD	Number	6	Location where the incident occurred. The location may not coincide with the application site.
INVESTIG	Number	6	Information relevant to the status of the investigation.
MEDTEXT	Varchar2	254	List of symptoms and other medically related information.
OCC_NO	Number	4	The relationship between the illness/injury and the individual's work.
OTRPROT	Number	6	Type of clothing or other personal protective equipment (PPE) worn by the affected individual at the time of exposure. This excludes equipment for the eyes, hands and respiratory tract.
OTRTEXT	Varchar2	20	Text field to record other types of PPE.

CaseData (Continued)

Field Name	Data Type	Data Length	Description
PHYS **	Varchar2	15	Name of the licensed medical provider examining and/or treating the affected individual.
PREDISP_CD	Number	6	A condition that makes the affected individual unusually susceptible to adverse effects from exposure to pesticides.
PURPOSE	Number	6	Incidents involving specific pest control programs.
RESPPROT	Number	6	Type of respiratory tract protection worn by the affected individual at the time of exposure.
RLTN	Number	6	Degree of correlation between pesticide exposure and resulting symptomatology.
TASK	Number	6	Specific task performed by the affected individual at the time of the exposure.

* The facility is listed as follows: (1) specific name of the medical facility; (2) if a specific facility name is not known, the facility is specified in general terms such as hospital, clinic, and office; (3) two or more medical facilities - separated by a forward slash; (4) 'Unknown' - the name of medical facility is not known; (5) 'None' - no medical facility involved.

** The physician is listed as follows: (1) one physician - last name, first name; (2) two or more physicians - listed by last names, separated by a forward slash; (3) the treating physician's assistant or nurse practitioner (only when the physician is not known); (4) 'Unknown' - the name of the medical provider is not known; (5) 'None' - the affected individual did not seek medical attention.

Cases

Stores case tracking information. Links to all other tables except AppSite through the values of year and case_no entries.

Field Name	Data Type	Data Length	Description
AGE	Number	20	Age in years of the affected individual at the time of the incident.
CASE_NO	Number	6	Identification number assigned to the case.
COUNTY	Varchar2	15	County of occurrence.
DDFRWI	Date		Date DFROII was received by CDPR.
DIR	Number	1	If "No CDPR jurisdiction" checked toggles to yes; case referred to Department of Industrial Relations (DIR).
DOI	Date		Date of reported exposure.
DPEIR	Date		Date Pesticide Episode Investigative Report (PEIR) was received by CDPR.
DPIR	Varchar2		Date Pesticide Illness Report (PIR) was received by CDPR.
EMPLOYER	Number	30	Name of employer.
PCC	Varchar2	1	If PIR sent by poison control center, toggles to yes.
PRINUM	Number	10	Priority Investigation number.
REFNO	Date	9	Reference case number (for multiple person-illness cases).
RYEAR	Number	6	Year injury reported.
SIC	Number	4	Standard Industrial Code of employer.

Pesticide

Stores all data related to individual pesticides, except application site, which is stored in the “AppSite” table.

Field Name	Data Type	Field Size	Description
APP_DATE	Date		Date of application for the associated pesticide.
CASE_NO	Number	6	Identification number assigned to the case.
CASEPEST_CD	Number	11	Primary key field for linking pesticides to appsite table.
CHEIND	Number	4	Cholinesterase inhibitor indicator.
DEGREE*	Number	4	Degree to which pesticide was involved.
FORMULATION	Varchar2	3	Formulation of the pesticide product according to CDPR's label database.
INT_USE	Varchar2	50	Intended use of the pesticide product.
REGA	Number	11	Company registration number.
REGB	Number	11	Product number.
REGC	Varchar2	2	Product identification between different trade names.
REGD	Number	11	Company registration number of the subregistrant.
RYEAR	Number	6	Year injury reported.
STDNAME	Varchar2	40	The pesticide (common name) assigned by PISP.
TOXICITY	Char	3	The toxicity category of the product based on a set of hazard indicators used by the U. S. EPA. These indicators are: 1) oral LD ₅₀ , 2) inhalation LD ₅₀ , 3) dermal LD ₅₀ , 4) eye effects, and 5) skin effects.

*1 = Primary pesticide.

2 = One of several potential pesticide contributors.

3 = Pesticide also identified in episode, though another pesticide or non-pesticidal factor was implicated as primary cause.

Section 2

Reference Tables

This section contains reference tables for most of the data fields within the PISP database. Each reference table lists the data field and corresponding definition. The table lists the text name, code number and definition for each entry.

TREFACTIVITY

Activity of the individual at the time of exposure.

Code	Text	Definition
-9	UNKNOWN	Activity is not known.
110	MIXER/LOADER	Mixes and/or loads pesticides. This includes: (1) removing a pesticide from its original container, (2) transferring the pesticide to a mixing or holding tank, (3) mixing pesticides prior to application, (4) driving a nurse rig, and (5) transferring the pesticide from a mix/holding tank or nurse rig to an application tank.
120	APPLICATOR	Applies pesticides by any method or conducts activities considered ancillary to the application (e.g., cleans spray nozzles in the field).
140	FLAGGER	Flags for an aerial application, either fixed-winged or helicopter.
160	MECHANICAL	Maintains (e.g., cleans, repairs or conducts maintenance) pesticide contaminated equipment used to mix, load or apply pesticides as well as the protective equipment used by individuals involved in such activities. This excludes the following: 1) maintenance performed by applicators on their equipment incidental to the application (classified as APPLICATOR and 'Clean/Repair' checked under 'Task'); 2) maintenance performed by mixer/loaders on their equipment incidental to mixing and loading (classified as MIXER/LOADER and 'Clean/Repair' checked under 'Task'), and 3) decontamination by HAZMAT teams (classified as EMERRESP).
171	PACK/PROC	Handles (packs, processes or retails) agricultural commodities from the packing house to the final market place. Field packing of agricultural commodities is classified as FIELD WORKER.

TREFACTIVITY (Continued)

Code	Text	Definition
172	FIELD WORKER	Works in an agricultural field performing tasks such as harvesting, thinning, irrigating, driving tractor (except as part of an application), field packing, conducting cultural work in a greenhouse, etc. Advisors, scouts and researchers performing similar tasks in an agricultural field are also included, even though these activities meet the regulatory definition of handler.
173	ROUTINE INDOOR	Conducts activities in an indoor environment with minimal expectation for exposure to pesticides. This includes people in offices and businesses, residential structures, etc. who are not handling pesticides.
176	ROUTINE OUTDOOR	Conducts activities in an outdoor environment with minimal expectation for exposure to pesticides. This excludes field workers in agricultural fields. This includes gardeners who are not handling pesticides.
181	MANUFORM	Manufactures, processes or packages pesticides. This includes “mixing” if it is done in a plant for application elsewhere.
182	TRANSPORT/ STORAGE/ DISPOSAL	Transports or stores pesticides between packaging and preparation for use. This includes shipping, warehousing and retailing as well as storage by the end-user prior to preparation for use. Disposal of unused pesticides is also included in this activity. This excludes driving a nurse rig to an application site.
183	EMERRESP	Emergency Response Personnel (Police, fire, ambulance and HAZMAT personnel) responding to a fire, spill, accident or any other pesticide incident in the line of duty.
199	OTHER	Activity is not adequately described by any other activity category. This includes but is not limited to: 1) being inside a vehicle; 2) dog groomers not handling pesticides; 3) individuals handling pesticide treated wood, and 4) two or more activities with potential for pesticide exposure.

TREFAPPSITE_CROP

Site of the pesticide application. For incidents involving drift, the intended application site is listed. For crops, this includes applications at the growing site and to the commodity while being packed for sale.

CROP: FRUITS

Berries

SITE_CD	SITE_TEXT	Definition
1000	SMALL FRUITS (OTHER OR UNSPECIFIED)	Other berries, not listed elsewhere.
1002	BLACKBERRIES	Blackberries
1005	LOGANBERRIES	Loganberries
1006	RASPBERRIES	Raspberries
1009	BLUEBERRIES	Blueberries
1016	STRAWBERRIES	Strawberries

Citrus

2000	CITRUS (OTHER OR UNSPECIFIED)	Citrus, unknown type or not listed elsewhere.
2002	GRAPEFRUIT	Grapefruit
2004	LEMONS	Lemons
2005	LIMES	Limes
2006	ORANGES	Oranges
28026	CITRON	Citron

CROP: FRUITS (continued)

Grapes

SITE_CD	SITE_TEXT	Definition
1014	GRAPES	Grapes – table, wine or raisin (on the vine).
1501	RAISINS (DRIED GRAPE)	Raisins – After grapes are picked and drying has begun.

Pome Fruit

4000	POME FRUIT (OTHER OR UNSPECIFIED)	Pome fruit, unknown type or not listed elsewhere.
4001	APPLES	Apples
4003	PEARS	Pears

Stone Fruit

5000	STONE FRUIT (OTHER OR UNSPECIFIED)	Stone fruit, unknown type or not listed elsewhere.
5001	APRICOTS	Apricots
5002	CHERRIES	Cherries
5003	NECTARINES	Nectarines
5004	PEACHES	Peaches
5005	PLUMS	Plums
5006	PRUNES	Prunes

CROP: FRUITS (Continued)

Other Fruit

SITE_CD	SITE_TEXT	Definition
6000	SUBTROPICAL AND TROPICAL FRUIT, (OTHER OR UNSPECIFIED)	Subtropical and tropical fruit, unknown type or not listed elsewhere.
6002	BANANAS	Bananas
6004	DATES	Dates
6005	FIGS	Figs
6018	KIWI FRUIT	Kiwis
28000	AVOCADOS	Avocados
28014	OLIVES	Olives
28025	FRUIT (OTHER OR UNSPECIFIED)	Other fruit, unknown or not listed elsewhere. This excludes all other specified fruit crop categories.

CROP: NUT TREES

3000	NUT CROPS, NUT TREES (OTHER OR UNSPECIFIED)	Nut crops, unknown type or not listed elsewhere.
3001	ALMONDS	Almonds
3009	WALNUTS	Walnuts
3011	PISTACHIOS	Pistachios

CROP: CUCURBITS

SITE_CD	SITE_TEXT	Definition
10000	CUCURBITS (OTHER OR UNSPECIFIED)	Cucurbits, unknown or not listed elsewhere. This excludes all melons.
10001	MELONS (OTHER OR UNSPECIFIED)	Melons, unknown type or not listed elsewhere.
10002	CANTALOUPE	Cantaloupes
10008	WATERMELONS	Watermelons
10010	CUCUMBERS	Cucumbers
10012	SQUASH	Squash

CROP: VEGETABLES

Fruiting Vegetables

11000	FRUITING VEGETABLES (OTHER OR UNSPECIFIED)	Fruiting vegetables, unknown or not listed elsewhere.
11005	TOMATOES	Tomatoes
28017	PEPPERS	Bell and chili peppers

CROP: VEGETABLES (Continued)

Leafy/Stem Vegetables

SITE_CD	SITE_TEXT	Definition
13000	LEAFY/STEM VEGETABLES (OTHER OR UNSPECIFIED)	Leafy and stem vegetables, unknown or not listed elsewhere.
13005	BROCCOLI	Broccoli
13006	BRUSSELS SPROUTS	Brussels sprouts
13007	CABBAGE	Cabbage
13008	CAULIFLOWER	Cauliflower
13018	ARTICHOKES (GLOBE)	Artichokes, excluding Jerusalem Artichokes.
13020	LETTUCE	Lettuce
13024	SPINACH	Spinach
28003	CELERY	Celery

Root Crop Vegetables

14007	GARLIC	Garlic
14011	ONIONS (DRY)	Onions, excluding green onions (scallions).
14013	POTATOES	Potatoes
28061	ROOT CROPS (OTHER OR UNSPECIFIED)	Root crops, unknown or not listed elsewhere.
28073	CARROTS	Carrots
29109	BEETS	Beets, excluding sugarbeets.

CROP: VEGETABLES (Continued)

Seed and Pod Vegetables

SITE_CD	SITE_TEXT	Definition
15000	SEED AND POD VEGETABLES (OTHER OR UNSPECIFIED)	Seed and pod vegetables, unknown or not listed elsewhere.
15032	GARBANZOS (INCLUDING CHICK PEAS)	Garbanzo beans including chickpeas.
28001	BEANS (OTHER OR UNSPECIFIED)	Beans, unknown or not listed elsewhere.
28016	PEAS	Peas
28021	SUNFLOWERS	Sunflowers
28023	SOYBEANS	Soybeans

Other Vegetables

16002	ASPARAGUS (SPEARS, FERNS, ETC.)	Asparagus
16003	MUSHROOMS	Mushrooms
16004	ONIONS (GREEN)	Green onions (scallions)
28024	VEGETABLES (OTHER OR UNSPECIFIED)	Other vegetables, unknown or not listed elsewhere. This excludes all other specified vegetable crop categories.

CROP: OTHER CROPS

Fiber Crop

SITE_CD	SITE_TEXT	Definition
28007	COTTON	Cotton

Forage Crops

22000	FORAGE - FODDER GRASSES (OTHER OR UNSPECIFIED HAY)	Forage and fodder grasses excluding alfalfa.
23001	ALFALFA	Alfalfa including hay, green chop for feed, and unspecified uses.

Grain

24000	GRAIN CROPS (OTHER OR UNSPECIFIED)	Grain crops, unknown or not listed elsewhere. This excludes hay crops.
28005	CORN	Corn
28019	SORGHUM	Sorghum
28065	WHEAT	Wheat
28072	RICE	Rice

Herbs/Spice

8000	FLAVORING AND SPICE CROPS (OTHER OR UNSPECIFIED)	Flavoring and spice crops, unknown or not listed elsewhere.
8520	PARSLEY	Parsley

CROP: OTHER CROPS (Continued)

Oil Crops

SITE_CD	SITE_TEXT	Definition
27000	CROPS GROWN FOR OIL (OTHER OR UNSPECIFIED)	Crops grown for oil, unknown or not listed elsewhere.

Seeds

28040	SEEDS (AGRICULTURAL & ORNAMENTAL)	Seeds for the growing of agricultural commodities or ornamental plants.
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Sugar Crops

25000	SUGAR CROPS (OTHER OR UNSPECIFIED)	Sugar crops, excluding sugarbeets.
28020	SUGARBEETS	Sugarbeets

Trees

30000	FOREST TREES, FOREST LAND (OTHER OR UNSPECIFIED)	Forest trees
30005	CHRISTMAS TREE PLANTATIONS	Christmas trees

FLORA

Ornamental

SITE_CD	SITE_TEXT	Definition
31005	ORNAMENTAL BULB, CORM, RHIZOME PLANTS	Ornamental bulb, corm and rhizome plants.
31057	CARNATIONS	Carnations
31065	CHRYSANTHEMUMS	Chrysanthemums
31147	ORCHIDS	Orchids
31159	POINSETTIAS	Poinsettias
31713	ALSTROMERIA (PERUVIAN LILY, LILY-OF-THE-INCAS)	Alstromeria
32000	ORNAMENTAL PLANTS (OTHER OR UNSPECIFIED)	Ornamental plants, unknown or not listed elsewhere.
32010	HOUSE PLANTS	Tender plants grown for ornamental use and located inside a structure.
34120	ROSES	Roses

Trees

35000	ORNAMENTAL AND/OR SHADE TREES	Ornamental and/or shade trees.
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FLORA (Continued)

Turf

SITE_CD	SITE_TEXT	Definition
33002	ORNAMENTAL SOD FARM (TURF)	Turf growing on a farm.
33007	TURF, GOLF COURSE (FAIRWAYS, GREENS, ROUGH)	Turf on a golf course.
33010	ORNAMENTAL LAWNS	Turf including landscaped lawns in residential yards, median strips and around business establishments. This excludes turf on a golf course and turf growing on a farm.

Non-Crop

28035	PASTURES, RANGELAND	A tract of land for the grazing of animals.
29023	SOIL	Soil being prepared for planting purposes. This includes potting soil as well as fields where the pesticide is injected or incorporated into the soil.
65021	IRRIGATION SYSTEMS (DITCHES, CANAL BANKS, ETC.)	Irrigation canals and ditches outside of agricultural fields. This includes the adjacent ditch banks.
65022	AGRICULTURAL DRAINAGE SYSTEMS	Ditches designed to carry excess water away from agricultural fields.
66000	UNCULTIVATED AGRICULTURAL AREAS (OTHER OR UNSPECIFIED)	Uncultivated agricultural areas, unknown or not listed elsewhere. This includes fallow fields.
67000	UNCULTIVATED NON-AGRICULTURAL AREAS	Uncultivated non-agricultural land.

FAUNA

Pets

SITE_CD	SITE_TEXT	Definition
54000	PETS (OTHER OR UNSPECIFIED)	Pets including rabbits, rodents, horses, birds, amphibians and reptiles. This excludes dogs and cats.
54002	CATS	Cats
54003	DOGS	Dogs

Livestock

50000	DAIRY ANIMALS	Dairy animals. This includes cows, goats and other mammals kept for milk production.
52000	FARM ANIMALS – LIVESTOCK (OTHER OR UNSPECIFIED)	Livestock, unknown or not listed elsewhere.
52003	CATTLE	Cattle raised for beef.
52011	GOATS	Goats, except for dairy.
52013	SHEEP	Sheep
52018	SWINE (HOGS, PIGS)	Hogs and pigs
55000	POULTRY (OTHER OR UNSPECIFIED)	Poultry, unknown or not listed elsewhere.
55001	CHICKENS	Chickens
55008	TURKEYS	Turkeys
55501	EGGS (POULTRY)	Poultry eggs
56000	NON-FARM/NON-PET ANIMALS	Non-farm and non-pet animals such as coyotes living in the wild.
56001	ANIMALS (OTHER OR UNSPECIFIED)	Animals, unknown or not listed elsewhere.
56010	LABORATORY RESEARCH ANIMALS	Animals being used in laboratory research.
56020	ZOO ANIMALS	Animals living in a zoo.

FAUNA (Continued)

Other Fauna

SITE_CD	SITE_TEXT	Definition
86000	HUMAN SITES (OTHER OR UNSPEC)	Human beings

Non-Crop

68010	ANIMAL BURROWS (VERTEBRATE & INSECT PESTS)	Animal burrows
90011	ANT DENS/HILLS/MOUNDS	Ant colony dens. This excludes all ant activities away from the den.

FOOD

Processed Foods

43002	CEREALS, PROCESSED	Processed cereal
43008	HERBS AND SPICES, CONDIMENTS, ETC. (PROCESSED)	Processed herbs and spices
43027	PROCESSED FOODS (OTHER OR UNSPECIFIED)	Processed foods, unknown type or not listed elsewhere.
43049	CHEESE, CHEESE BYPRODUCTS	Cheese and cheese byproducts

Other Foods

43044	ANIMAL FEED	Animal feed
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EQUIPMENT

Fixtures

SITE_CD	SITE_TEXT	Definition
60005	MILKING EQUIPMENT (MILKING MACHINE, ETC.)	Automatic milking equipment within the dairy barns.
61003	AGRICULTURAL & FARM EQUIPMENT (OTHER OR UNSPECIFIED)	Agricultural equipment, unknown or not listed elsewhere. This includes nursery and greenhouse equipment.
61008	BEEHIVES	Beehives
73001	FOOD DISPENSING EQUIPMENT	Food dispensing equipment including soft serve ice cream machines and beverage dispensing machines except in eating establishments such as restaurants and cafeterias.
87006	LAUNDRY	Laundering of clothing, bedding, diapers, etc.
88001	TOILETS	Toilet bowls and urinals
90005	AIR FILTERS, AIR CONDITIONER & FURNACE FILTERS	Heating and air conditioning system filters and intake areas.

Implements

72006	EATING ESTABLISHMENTS (EQUIPMENT & UTENSILS)	Eating establishment: food preparation equipment, dishes and utensils.
74014	HOSPITAL INSTRUMENTS, MACHINES, IMPLEMENTS, ETC.	Used medical instruments, machines and implements.
75501	BARBERSHOP/BEAUTYSHOP EQUIPMENT/INSTRUMENTS	Barber shop and beauty shop equipment.
88009	DIAPER PAILS	Diaper pails
90503	INANIMATE OBJECTS	Inanimate objects, not listed elsewhere.

STRUCTURAL

Premises

SITE_CD	SITE_TEXT	Definition
46038	FEED/FOOD STORAGE AREAS (UNSPECIFIED)	Feed and food storage areas, unknown or not elsewhere listed.
58501	EGG HANDLING AREAS/EQUIPMENT	Facilities and equipment that handle poultry eggs.
60000	DAIRY FARM MILK HANDLING FACILITIES & EQUIPMENT	Facilities and equipment that handle milk. This includes: 1) milk storage facilities and equipment at the dairy, 2) milk storage rooms, 3) milking stalls and parlors, and 4) milk processing and packaging plants.
60501	DAIRY BARNS	Dairy barns where dairy animals are fed and kept.
61001	ANIMAL HUSBANDRY PREMISES	Animal husbandry premises excluding dairy farms. This includes, but is not limited to: 1) barns for horses and other animals, and 2) kennels for companion animals.
61005	SILOS	Empty silos and elevators. Silos containing a crop are classified under the type of crop held in the silo.
61006	GREENHOUSES (ENVIRONS, BENCHES, ETC.)	Structures and components of greenhouses and mushroom houses including benches, walkways and other areas distinct from crop production.
63000	HOUSEHOLD OR DOMESTIC DWELLING (OTHER OR UNSPECIFIED)	Domestic dwellings, unknown site or not listed elsewhere.
63002	CRACKS & CREVICES	Spot treatment of cracks and crevices inside structures including small spaces between equipment and building surfaces. This excludes wall voids (classified under 63508)
63010	BASEBOARDS	Baseboards and adjacent wall and floor areas inside structures.

Premises (Continued)

SITE_CD	SITE_TEXT	Definition
71000	FOOD PROCESSING/HANDLING PLANT/AREA (OTHER OR UNSPECIFIED)	Food processing plants and equipment, unknown or not listed elsewhere. This includes wholesale and retail establishments (e.g., take-and-bake pizza businesses and grocery store delicatessens).
72000	EATING ESTABLISHMENT (OTHER OR UNSPECIFIED)	Eating establishments, unknown site or not listed elsewhere. This excludes the following application sites: crack and crevice, baseboards, wall voids and carpets.
72004	EATING ESTABLISHMENTS (NON-FOOD AREAS)	Eating establishment: non-food areas. This excludes the following application sites: crack and crevice, baseboards, wall voids and carpets.
72501	EATING ESTABLISHMENTS (FOOD HANDLING/SERVING AREA)	Eating establishment: food handling and serving areas. This excludes the following application sites: crack and crevice, baseboards, wall voids and carpets.
87010	CARPETS	Installed carpets except the edge of carpets that are treated as part of an application to the baseboards.
88003	BATHROOM PREMISES (LAVATORIES, RESTROOMS, ETC.)	Bathroom premises including showers, bathtubs, sinks, mirrors, walls and floors, but excluding toilets and urinals.
97000	SURFACES (OTHER OR UNSPECIFIED)	Surfaces, unknown type or not listed elsewhere. This includes walls, floors, ceilings, paving, and basins of pools and ponds except when the specific premise such as bathrooms, eating establishments and food processing plants is listed.

STRUCTURAL (Continued)

Structure

SITE_CD	SITE_TEXT	Definition
10	STRUCTURAL PEST CONTROL	Structural pest control, site not listed elsewhere. This excludes eating establishments such as restaurants and cafeterias.
63508	WALL VOIDS	Space within the walls of existing structures.
64500	WOOD	Treatment of wood with a preservative to protect it from damage by insects, fungus or other wood destroying organisms. Treatment can be by pressure treatment, spraying or painting. This excludes treatment of wood in existing structures.
70000	COMMERCIAL TRANSPORT FACILITIES	Loading docks and adjacent warehouse areas.

VEHICLE

70006	TRUCKS	Empty or loaded trucks, excluding raw agricultural commodities.
70007	AUTOMOBILES, TAXIS, LIMOS, RV'S	Automobiles and recreational vehicles. This includes private and business vehicles and vehicles for hire.
70028	BUSES	Buses

WASTE

SITE_CD	SITE_TEXT	Definition
89000	REFUSE AND SOLID WASTE SITES (OTHER OR UNSPECIFIED)	Refuse and solid waste sites, unknown or not listed elsewhere.
89001	REFUSE AND SOLID WASTE CONTAINERS	Garbage cans and dumpsters.
89003	GARBAGE DUMPS	Landfills, garbage dumps, garbage reclamation centers and garbage transfer stations.

WATER

63015	ORNAMENTAL PONDS, FOUNTAINS	Ornamental ponds and fountains located at private residences, commercial property or public property.
65000	AQUATIC AREAS, WATER AREAS (OTHER OR UNSPECIFIED)	Aquatic sites, unknown or not listed elsewhere. This includes lakes, rivers, streams and other natural bodies of water.
65011	SWIMMING POOL WATER SYSTEMS (POOLS, SPAS, ETC.)	Swimming pools and spas including the water chlorinating systems.
65014	ANIMAL DRINKING WATER (LIVESTOCK, PET, ETC.)	Water set aside specifically for animals to drink.
65015	HUMAN DRINKING WATER SYSTEMS (POTABLE)	Human drinking water systems. This includes wells, and other equipment used to pump water from the water source, water treatment plants, and pipes.
65019	COMMERCIAL & INDUSTRIAL WATER COOLING TOWER SYSTEMS	Commercial and industrial water-cooling tower systems.
65027	DISHWASHING WATER, DISHWASHING MACHINE WATER	Water used for washing dishes. The water can be in sinks, portable containers and dishwashers.
65029	INDUSTRIAL PROCESSING WATER	Treated water used by industry to contribute to the production of saleable goods.
65043	WASTE WATER	Sewers and waste water treatment plants.

UNKNOWN/NOT APPLICABLE

SITE_CD	SITE_TEXT	Definition
-9	UNKNOWN	Application site is not known.
998	NOT APPLICABLE	No application involved in the incident.

TREFCONTRIB

Factors that contributed to the incident.

Code	Text	Definition
-9	Unknown	Contributing factors, if any, are not known.
1	Predisposition	A condition that makes the affected individual unusually susceptible to adverse effects from exposure to pesticides. The condition is further described in the predisposition field in the CaseData table.
2	Deliberate Poisoning	Intentionally using a pesticide to adversely affect any human bodily functions. This includes suicides, attempted suicides and criminal behavior.
4	Equipment Failure	Exposure resulted from the breakage or malfunction of equipment. This includes: 1) mix/load equipment; 2) application equipment; and 3) personal protective clothing or equipment.
8	Other Accident	Unanticipated event resulting in exposure. This excludes: 1) equipment failures; 2) deliberate poisonings; and 3) spills and splashes caused by inattentive or careless behavior by the affected individual.
16	Substantial Contact with Chemical	Direct contact with the pesticide. This includes, but is not limited to: 1) expected direct contact during use (e.g., washing dishes in a disinfectant solution); 2) spills and splashes on the skin or eyes; and 3) ingestion.
32	Odor Recorded	The affected individual reported smelling an odor at the time of the incident.
998	Not Applicable	No listed contributory factors apply.

TREFDATAQUAL

Evaluation of the completeness of the provided information.

Code	Text	Definition
1	Inadequate	The available information is inadequate to make an informed judgment on the relationship between pesticide exposure and the reported symptomatology. For submitted investigations, the investigator failed to make an adequate attempt to obtain the necessary information.
2	Unavailable	The available information is inadequate to make an informed judgment on the relationship between pesticide exposure and the reported symptomatology. For submitted investigations, the investigator made an adequate attempt to collect the necessary information, but was not able to do so (e.g., none of the parties concerned could be contacted). There usually needs to be more effort than to say the employee is not available for interview; other parties can often supply useful information.
3	Adequate	Sufficient information is available to make an informed judgment on the relationship between pesticide exposure and the reported symptomatology (i.e., symptomatology and pesticide exposure information are available).
4	Complete	<u>All</u> of the information is included in the investigation: all medical evidence, physical evidence and a complete description of the incident. This description should include an adequate work history, adequate application history (when appropriate), interviews of all significant people, etc.

TREFEMPCIRC

Employment circumstances of individuals involved in the exposure.

Code	Text	Definition
-9	Unknown	Employment circumstances are not known.
1	Self Employed	Affected individuals were working for themselves at the time of the incident.
2	Structural Pest Control Operator	The incident involved a structural pest control operator (SPCO). This includes individuals exposed to a pesticide by direct spray, drift or residue related to an application made by an SPCO.
4	Agricultural Pest Control Business	The incident involved a company engaged in the business of agricultural pest control for hire. This includes individuals exposed to a pesticide by direct spray, drift or residue related to an application made by an agricultural pest control business.
998	Not Applicable	No listed employment circumstances apply.

TREFENGICONT

Type of engineering controls used by the affected individual or other involved individuals at the time of the exposure.

Code	Text	Definition
-9	Unknown	The type of engineering controls, if any, is not known.
1	None	No engineering controls involved.
2	Closed Mixing/Loading System	A procedure for removing a pesticide from its original container, rinsing the emptied container, and transferring the pesticide product, mixtures and dilutions and rinse solution through connecting hoses, pipes and couplings that are sufficiently tight to prevent exposure of any person to the pesticide or rinse solution. Rinsing is not required when the pesticide is used without dilution. [Ref.: 3 CCR, Section 6000 – ‘Closed system’]
4	Water Soluble Bags	Pesticide containers that dissolve when added to water.
8	Enclosed Cab	A chemical resistant barrier that completely surrounds the occupant(s) of the cab and prevents contact with pesticides outside of the cab. [Ref.: (1): 3 CCR, Section 6000 – ‘Enclosed cab’; (2): U.S. EPA “The Worker Protection Standard for Agricultural Pesticides”]
16	Air Purification System	An enclosed cab that incorporates a dust/mist filtering and/or a vapor or gas removing air purification system, as appropriate for the exposure situation. [Ref.: 3 CCR, Section 6000 – ‘Enclosed cab acceptable for respiratory protection’]
32	Other	Other engineering controls described in the engitext field in the CaseData table.

TREFEQUIPMENT

Type of equipment used for an application regardless of who made the application.

Code	Text	Definition
-9	UNKNOWN	The type of application equipment is not known.
100	AIR, OTHER OR UNSPECIFIED	Aerial application equipment, other or unspecified. This includes two or more types of aerial application equipment. The following equipment is excluded: 1) FIXED WING AIRCRAFT (Code 110), and HELICOPTERS (Code 120).
110	FIXED WING AIRCRAFT	Fixed wing aircraft.
120	HELICOPTER	Helicopter.
200	GROUND, OTHER OR UNSPECIFIED	Ground application equipment, unknown or unspecified. This includes two or more types of ground application equipment. The following equipment is excluded: 1) GROUND BOOM, OTHER OR UNSPECIFIED (Code 210), 2) GROUND BOOM BELOW/BEHIND (Code 220), 3) OVER-THE-VINE BOOM (Code 230), 4) ELECTROSTATIC SPRAYER (Code 240), 5) AIRBLAST SPRAYERS (Code 250), 6) POWER DUSTERS (Code 260), 7) SHANK INJECTION WITHOUT TARPS (Code 270), and 8) SHANK INJECTION WITH TARPS (Code 280).
210	GROUND BOOM, OTHER OR UNSPECIFIED	Ground application equipment with a spray boom. The following spray booms are excluded: 1) GROUND BOOM BELOW/BEHIND (Code 220), 2) OVER-THE-VINE BOOM (Code 230), and 3) ELECTROSTATIC SPRAYER (Code 240).
220	GROUND BOOM BELOW/BEHIND	Ground application equipment with a spray boom located below and behind the equipment operator with the spray nozzles pointed downward.
230	OVER-THE-VINE BOOM	Ground operated equipment with the arms of the spray boom extending over the tops of grapevines.
240	ELECTROSTATIC SPRAYER	Ground operated equipment designed to impart an electrical charge to the pesticide particles. The electrostatic designation for ground application equipment overrides any other type of equipment it is used with.

TREFEQUIPMENT (Continued)

Code	Text	Definition
250	AIRBLAST SPRAYERS	Ground application equipment with a pump that delivers the spray into an air stream created by a large fan at the back of the spray equipment.
260	POWER DUSTERS	Ground application equipment used to apply dust formulated pesticides.
270	SHANK INJECTION WITHOUT TARPS	Ground application equipment that uses a shank or other piece of equipment to directly apply a pesticide into the soil except when a tarp is placed over the soil, which is classified under SHANK INJECTION WITH TARPS (Code 280). This also excludes surface applied pesticides that are subsequently incorporated into the soil by a cultivator.
280	SHANK INJECTION WITH TARPS	Ground application equipment that uses a shank or other piece of equipment to directly apply a pesticide into the soil and a tarp is placed over the soil to restrict the pesticide to the application site.
300	HAND, OTHER OR UNSPECIFIED	Hand-held application equipment, other or unspecified. The equipment must propel the pesticide from a reservoir. This includes 1) hose-end sprayers, and 2) two or more types of hand-held application equipment. This excludes: 1) PRESSURIZED HOSE-LINE SPRAYERS (Code 310), 2) HAND PUMP SPRAYER (Code 320), 3) HAND-HELD DUSTERS (Code 330), 4) BACK PACK SPRAYER (Code 340), 5) UNPRESSURIZED HAND-HELD SPRAY EQUIPMENT (Code 350), 6) AEROSOL CAN (Code 360), 7) FOGGERS (Code 370), and 8) AEROSOL/FOG GENERATING EQUIPMENT (Code 380).
310	PRESSURIZED HOSE-LINE SPRAYERS	Hand-held spray equipment attached by a long hose to a power-pressurized tank. This excludes hose-end sprayers which are classified under HAND, OTHER OR UNSPECIFIED (Code 300)
320	HAND PUMP SPRAYER	Hand-held compressed air sprayer with small volume tanks (1 to 5 gallons). This excludes BACK PACK SPRAYERS (Code 340)
330	HAND-HELD DUSTERS	Hand-held application equipment for granules or dust. This includes belly grinders, bellows, squeeze bulbs, etc.
340	BACK PACK SPRAYER	Compressed air sprayer where the tank is worn on the back of the applicator.

TREFEQUIPMENT (Continued)

Code	Text	Definition
350	UNPRESSURIZED HAND-HELD SPRAY EQUIPMENT	Hand-held spray bottles (usually plastic) with built-in finger triggers.
360	AEROSOL CAN	Disposable pressurized cans designed for intermittent use. The pesticide is propelled out of the can by an inert compressed gas propellant. This excludes FOGGERS (Code 370).
370	FOGGERS	Disposable pressurized cans designed for the total release of the contents in a single use. The pesticide is propelled out of the can by an inert compressed gas propellant.
380	AEROSOL/FOG GENERATING EQUIPMENT	Refillable application equipment designed to disperse pesticide as a small airborne droplet, either in confined spaces or outdoor areas. These include truck-mounted equipment for outdoor use, hand-carried portable units and wall mounted electric units that are found in dairies, restaurants, etc.
400	CHAMBER	An enclosed, sealed chamber designed specifically for fumigating or sterilizing the contents of the chamber.
500	TARP	Tarp placed over a commodity or structure and designed to restrict a fumigant to the application site.
600	AUTOMATIC EQUIPMENT, OTHER OR UNSPECIFIED	Equipment that automatically injects the pesticide to the target area. This includes equipment attached to milking machinery, dishwashers, etc. This excludes enclosed and sealed CHAMBERS (Code 400), AUTOMATIC EQUIPMENT, CHLORINATORS (Code 610), DRIP IRRIGATION EQUIPMENT (Code 620), and SPRINKLER IRRIGATION EQUIPMENT (Code 630).
610	AUTOMATIC EQUIPMENT, CHLORINATORS	Chlorination units that automatically inject chlorine into water for disinfection purposes. This includes chlorinators for swimming pools, packing houses and food processing plants.
620	DRIP IRRIGATION EQUIPMENT	Chemigation through drip irrigation equipment.
630	SPRINKLER IRRIGATION EQUIPMENT	Chemigation through sprinkler irrigation equipment.

TREFEQUIPMENT (Continued)

Code	Text	Definition
700	MANUAL APPLICATION METHODS, OTHER OR UNSPECIFIED	Manual application methods, other or unspecified. The pesticide is not propelled by any type of equipment. This includes two or more types of manual application methods. This excludes: 1) IMMERSION EQUIPMENT (Code 710), 2) IMPLEMENTS WITH HANDLES (Code 720), 3) IMPLEMENTS WITHOUT HANDLES (Code 730), and 4) MANUAL PLACEMENT (Code 740).
710	IMMERSION EQUIPMENT	Tanks, trays, sinks, etc. used for the dipping of animals, produce, bulbs, medical equipment, dishes, pots and pans, etc.
720	IMPLEMENTS WITH HANDLES	Mops, brushes, and other implements with handles.
730	IMPLEMENTS WITHOUT HANDLES	Cloths, towels, rags, sponges and other implements without handles.
740	MANUAL PLACEMENT	Manual placement of a pesticide directly to a target site. This includes bait stations, hand tossed pellets, and direct pouring of a pesticide onto a target surface from a container (such as pouring liquid chlorine directly into swimming pool water). This excludes the placement of fumigation pellet packs in CHAMBERS (Code 400) and under TARPS (Code 500).
998	NOT APPLICABLE	No application equipment is involved.
999	OTHER	Any application methodology not described above. This includes the use of two or more types of application equipment that cannot be covered by any of the preceding codes. The application methodology is typically described in the comments.

TREFEXPOSURE

Characterization of how an individual came in contact with a pesticide.

Code	Text	Definition
-9	Unknown	Route of exposure is not known.
1	Drift	Spray, mist, fumes, or odor carried from the target site by air. Drift must be related to an application or mix/load activity.
2	Residue	The part of a pesticide that remains in the environment for a period of time following an application or drift. This includes odor after the completion of an application.
4	Direct Spray/Squirt	Material propelled by the application or mix/load equipment. Contact with the material can be by direct projection or ricochet. This includes exposure of mechanics working on application or mix/load equipment when the material is forced out by pressure.
8	Spill/Other Direct	Any of the following: 1) Contact made during an application or mixing/loading operation where the material is not propelled by the equipment; 2) Expected direct contact during use (e.g., washing dishes in a disinfectant solution, and 3) Leaks, spills, etc. not related to an application.
16	Ingestion	Intentional or unintentional oral ingestion. This includes ingestion of residue on produce. Ingestion of pesticide products are more explicitly described by "direct contact" category in TREFCONTRIB.
32	Other	Other known route of exposure not included in other exposure categories. This includes, but not limited to: 1) Residue from a spill and 2) Exposure to smoke or pyrolitic products from a fire where pesticides are burning.
64	Multiple	Contact with pesticides occurred through two or more mechanisms.
998	Not Applicable	No exposure situation was involved.

TREFEYEPROT

Type of protective eyewear worn by the affected individual at the time of exposure.

Code	Text	Definition
-9	UNKNOWN	The type of protective eyewear, if any, is not known.
1	NONE	No eye protection.
2	EYE/SUN GLASSES	Eyeglasses or sunglasses.
4	SAFETY GLASSES	Safety glasses that provide front, and supplemental brow and temple protection. [Ref.: 3 CCR, Section 6738 (b)(2)(A)]
8	GOGGLES	A protective device intended to fit the face immediately surrounding the eyes in order to shield the eyes from a variety of hazards. [Ref.: ANSI [®] Z87.1-1989]
16	FACE SHIELD	A protective device commonly intended to shield the wearer's face, or portions thereof, in addition to the eyes, from certain hazards. [Ref.: ANSI [®] Z87.1-1989]
32	OTHER	Other devices used to protect the eyes and described in the eyetext field in the CaseData table. This includes respiratory protection devices such as full-face respirators and SCBA that also provide eye protection.

TREFFORMULATION

FORMULATION Code Descriptions

Formulation of the pesticide product according to CDPR's label database.

Code	Description
-9	Unknown
A0	Dust/Powder
B0	Emulsifiable Concentrate
C0	Flowable Concentrate
D0	Gel, Paste, Cream
E0	Granular/Flake
F0	Impregnated Material
G0	Microencapsulated
H0	Oil
I0	Paint/Coatings
J0	Pellet/Tablet/Cake/Briquet
K0	Pressurized Dust
L0	Pressurized Gas
M0	Pressurized Liquid/Sprays/Foggers
N0	Soluble Powder
O0	Solution/Liquid (Ready-To-Use)
P0	Wettable Powder
Q0	Suspension
R0	Dry Flowable
S0	Aqueous Concentrate
T0	Other Liquid
U0	Other (dry)
998	Not Applicable

TREFHANDPROT

Type of hand protection worn by the affected individual at the time of exposure.

Code	Text	Definition
-9	Unknown	The type of hand protection, if any, is not known.
1	None	No hand protection.
2	Cloth/Leather gloves	Gloves or glove linings made of leather, cotton, or other absorbent materials.
4	Disposable Gloves	Non-reusable disposable gloves.
8	Short Chemical Resistant Gloves	Wrist or mid-forearm length gloves made of material that allows no measurable movement of pesticide through it during use [Ref.: 3 CCR, Section 6000]. Gloves made of rubber, neoprene or other equivalent material qualify as chemical resistant.
16	Chemical Resistant Gloves, length not given	Gloves of unspecified length made of material that allows no measurable movement of pesticide through it during use [Ref.: 3 CCR, Section 6000]. Gloves made of rubber, neoprene or other equivalent material qualify as chemical resistant.
32	Long Chemical Resistant Gloves	Elbow length gloves made of material that allows no measurable movement of pesticide through it during use [Ref.: 3 CCR, Section 6000]. Gloves made of rubber, neoprene or other equivalent material qualify as chemical resistant.
64	Other	Other protective measures used for the hands and described in the handtext field in the CaseData table.

TREFILLNESS

Categorization of the type of symptoms experienced.

Code	Text	Definition
1	Skin	Health effects involving the skin.
2	Eye	Health effects involving the eyes. This excludes outward physical signs (miosis and lacrimation) related to effects on internal bodily systems. These signs are classified under SYSTEMIC (Code 8).
4	Respiratory	Health effects involving any part of the respiratory tree.
8	Systemic	Any health effects not limited to the skin, eye and/or respiratory systems.
998	Not Applicable	No symptoms involved.

TREFILLQUAL

Characteristics of the symptoms.

Code	Text	Definition
1	Allergic	Conditions of immune mediated heightened sensitivity related to the incident. This includes, but is not limited to diagnosis of: 1) allergic or atopic conditions including allergic asthma; 2) hives; and 3) sinusitis and conjunctivitis without irritant exposure.
2	Chronic	Continuous or frequently recurring symptoms present over a period of months. This includes resolved conditions of at least 6 months' duration and conditions persisting for at least 3 months and continuing unabated at the time of interview.
4	Fatal	Death occurred.
998	Not Applicable	No characteristic applies.

TREFINCSETTING

Location where the incident occurred. The location may not coincide with the application site.

Code	Text	Definition
1	FARM	Areas where agricultural crops are grown. This include Christmas tree farms but excludes the following: 1) nurseries and greenhouses which are classified under NURSERY (Code 2); 2) livestock and poultry farms which are classified under LIVESTOCK PRODUCTION FACILITY (Code 4); and 3) forestry operations which are classified under FORESTS (Code 3).
2	NURSERY	Facilities (including greenhouses) growing and selling plants, bulbs, seeds, etc. This includes the production of seedlings for transplanting into agricultural fields or forests.
3	FOREST	Establishments engaged in the operation of timber tracts, tree farms, reforestation projects and other forest related activities. This excludes forest nurseries growing seedlings for reforestation projects. Classify these under NURSERY (Code 2).
4	LIVESTOCK PRODUCTION FACILITY	Ranches, dairies, feedlots, egg production facilities, hatcheries and other establishments involved in keeping, grazing or feeding livestock or poultry for the sale of them or their products. This includes veterinary services provided for livestock.
5	CROP/LIVESTOCK PROCESSING FACILITY	Facilities involved in packing, manufacturing or processing foods or beverages for human consumption and feed products for animals and fowl. This includes facilities that sort, grade and pack fresh fruits and vegetables.
7	ANIMAL PREMISE (VET HOSPITAL, KENNELS, NOT LIVESTOCK)	Veterinary services, animal kennels, animal control facilities, dog grooming facilities and other services provided for companion animals. This excludes livestock which is classified under LIVESTOCK PRODUCTION FACILITIES (Code 4).
10	SINGLE FAMILY HOME	The house and other structures on property intended for use by a single family. This includes swimming pools, but excludes landscaped areas on the property which are classified under either LANDSCAPE, LAWN (Code 54) or LANDSCAPE, OTHER (Code 55).

TREFINCSETTING (Continued)

Code	Text	Definition
11	MULTI-UNIT HOUSING	Apartments and multi-plexes and other buildings on the property. This includes swimming pools, but excludes landscaped areas on the property which are classified under either LANDSCAPE, LAWN (Code 54) or LANDSCAPE, OTHER (Code 55).
12	LABOR HOUSING	Lodging facility or residence provided for the labor force.
20	RESIDENTIAL INSTITUTION	Dormitories, nursing homes, homeless shelters and similar facilities.
21	SCHOOL	Establishments that provide academic or technical instruction. This includes daycare centers.
22	PRISON	Establishments for the confinement and correction of offenders as ordered by courts of law. This includes California youth authority facilities.
23	HOSPITAL / MEDICAL	Establishments that provide medical, surgical and other health services to people. This includes offices and clinics of doctors and dentists, hospitals, medical and dental laboratories, kidney dialysis centers and other health related facilities.
30	PESTICIDE MANUFACTURING FACILITY	Facilities engaged in manufacture and/or formulation of pesticides.
31	INDUSTRIAL OR OTHER MANUFACTURING FACILITY	Facilities involved in the mechanical or chemical transformations of materials or substances into new products. This excludes: 1) facilities engaged in manufacture or formulation of pesticides which are classified under PESTICIDE MANUFACTURING FACILITY (Code 30); and 2) facilities engaged in treatment of wood to protect against pest damage which are classified under WOOD TREATMENT (Code 32).
32	WOOD TREATMENT	Establishments involved in the treatment of wood with preservatives to protect against pest damage.
40	OFFICE/BUSINESS	Commercial establishments including public and private business offices. This excludes RETAIL ESTABLISHMENTS (Code 41) and SERVICE ESTABLISHMENTS (Code 42).
41	RETAIL ESTABLISHMENT	Businesses engaged in selling merchandise for personal or household consumption and providing services related to the products. This excludes restaurants which are classified under SERVICE ESTABLISHMENT (Code 42).

TREFINCSETTING (Continued)

Code	Text	Definition
42	SERVICE ESTABLISHMENT	Establishments engaged in providing services to individuals, businesses and government. This includes restaurants, laundries, etc. This excludes medical service establishments which are listed under HOSPITAL/MEDICAL (Code 23).
43	WHOLESALE ESTABLISHMENT	Establishments involved in the distribution of merchandise to retail establishments or other wholesale establishments. This excludes "wholesalers" who sell directly to the public.
50	ROAD/RAIL OR UTILITY RIGHT OF WAY	Roads, rails or utilities and adjacent right-of-way areas. This includes aqueducts, manholes, landscaped median strips and vehicles moving along roadways.
51	PARK	An area of public land set aside for recreation. This includes public swimming pool facilities. This excludes private recreational facilities such as amusement parks, physical fitness facilities, etc. which are classified under SERVICE ESTABLISHMENT.
53	GOLF COURSE	Land used for playing or practicing golf, including putting greens and driving ranges. This excludes miniature golf courses which are classified under SERVICE ESTABLISHMENT.
54	LANDSCAPE, LAWN	Landscaped lawns. This excludes lawn areas in the following locations: 1) road/rail or utility right-of-ways; 2) parks; and 3) golf courses.
55	LANDSCAPE, OTHER	Landscaped ornamental shrub and tree areas. This excludes ornamental shrub and tree areas in the following locations: 1) road/rail or utility right-of-ways; 2) parks; and 3) golf courses.
59	OTHER	Location of exposure occurred at a site not adequately described in any other incident setting category. This includes water supply systems and waste water treatment plants.
999	UNKNOWN	The location of the incident is unknown.

TREFINVESTIGATION

Information relevant to the status of the investigation.

Code	Text	Definition
1	No Investigation Report	No Pesticide Episode Investigation Report submitted.
2	Outside DPR Jurisdiction	The investigation lies outside of DPR/CAC jurisdiction. This includes: 1) non-use situations including manufacturing and formulation plants, and transportation and storage; 2) Use related situations covered by the memorandum of understanding with the California Department of Industrial Relations which gives jurisdiction to CAL/OSHA (inorganic arsenic used to treat wood and all ethylene oxide uses). This option applies whether or not an investigation is conducted.
4	Assigned Priority Status	The affected individual is involved in an episode that met one or more of the priority investigation effects criteria. [Ref.: Cooperative Agreement Between the State of California Department of Pesticide Regulation, California Agricultural Commissioners and Sealers Association, and the United States Environmental Protection Agency, Region IX, Appendix A]
998	Not Applicable	No listed investigation circumstances apply.

TREFOTHERPROT

Type of clothing or other personal protective equipment worn by the affected individual at the time of exposure. This excludes equipment for the eyes, hands and respiratory tract.

Code	Text	Definitions
-9	Unknown	The type of other personal protective equipment, if any, is not known.
1	None	No clothing.
2	Work Clothes	Garments such as long or short sleeved shirts, long or short legged pants, shoes, and socks. [Ref. 3CCR, Section 6000 – ‘Work clothing’]
4	Head Covering	Headgear of any kind. This includes chemically resistant headgear, hoods, hats of any kind, and scarves or bandana covering all or part of the scalp.
8	Chemical Resistant Boots	Footwear designed to allow no measurable movement of the pesticide through it during use. [Ref. – 3 CCR, Section 6000 - ‘Chemical resistant’]
16	Cloth Coveralls	A one- or two-piece garment of closely woven fabric or equivalent that covers the entire body except the head, hands, and feet [Ref. 3 CCR, Section 6000 – ‘Coverall’]. The coveralls are made of fabric such as cotton or a cotton-polyester blend, and are not chemically resistant.
32	Coveralls (type unspecified)	A one- or two-piece garment of closely woven fabric or equivalent that covers the entire body except the head, hands, and feet [Ref. 3 CCR, Section 6000 – ‘Coverall’]. Type of coveralls is not known.
64	Disposable Coveralls	A one- or two-piece garment of closely woven fabric or equivalent that covers the entire body except the head, hands, and feet [Ref. 3 CCR, Section 6000 – ‘Coverall’]. The coveralls are made to be used once, then disposed.
128	Chemical Resistant Clothing	A one- or two-piece garment that allows no measurable movement of the pesticide through it during use [Ref.: 3 CCR, Section 6000 – ‘Chemical resistant’]. The garment covers the entire body except for the head, hands, and feet.
256	Other	Other personal protective clothing or equipment not described elsewhere. Described in the othertext field in the CaseData table.

TREFPREDISPCOND

A condition that makes the affected individual unusually susceptible to adverse effects from exposure to pesticides.

Code	Text	Definition
-15	Unknown	Unspecified pre-existing conditions.
1	Allergies	A history of immune mediated heightened sensitivity to specific substances.
2	Asthma	A chronic respiratory disorder characterized by recurrent attacks of paroxysmal dyspnea (difficulty breathing) and wheezing due to spasmodic contraction of the bronchi.
4	Concurrent Infection	Presence of infection by bacteria or other disease producing organisms at the time of exposure.
8	Multiple Chemical Sensitivities	A history of sensitivity to multiple chemicals.
16	Pregnancy	Pregnant at the time of exposure.
32	Previous Episodes	Similar symptoms following similar exposures in the past.
64	Other Preexisting Condition	Any other preexisting condition not defined above and described in the comments field in the CaseData table.
998	Not Applicable	No pre-existing conditions.

TREFPURPOSE

Incidents involving specific pest control programs.

Code	Text	Definition
1	California Food and Agriculture Eradication Program	The incident involved a California Department of Food and Agriculture pest eradication project. The affected person either worked on the pest eradication project or was exposed to a pesticide applied for an eradication project. Specific project name is listed in the case narrative field.
2	Public Health	Incident involved vector control activities such as mosquito abatement.

TREFRELATIONSHIP

Degree of correlation between pesticide exposure and resulting symptomatology.

Code	Text	Definition
1	DEFinite	High degree of correlation between pattern of exposure and resulting symptomatology. Requires both medical evidence (such as measured cholinesterase inhibition, positive allergy tests, characteristic signs observed by medical professional) and physical evidence of exposure (environmental and/or biological samples, exposure history) to support the conclusions.
2	PRObable	Relatively high degree of correlation exists between the pattern of exposure and the resulting symptomatology. Either medical or physical evidence is inconclusive or unavailable.
3	POSSible	Some degree of correlation evident. Medical and physical evidence are inconclusive or unavailable.
4	UNLikely	A correlation cannot be ruled out absolutely. Medical and/or physical evidence suggest a cause other than pesticide exposure.
5	INDirect	Pesticide exposure is not responsible, but pesticide regulations or product label contributed in some way, (e.g., heat stress while wearing chemical resistant clothing).
6	ASYmptomatic	Exposure occurred, but did not result in illness/injury. Cholinesterase depression without symptoms falls in this category.
7	UNRelated	Definite evidence of cause other than pesticide exposure including exposures to chemicals other than pesticides.
998	Not Applicable	Relationship can not be established because the necessary information is either unavailable or not provided.

TREFRESPROT

Type of respiratory tract protection worn by the affected individual at the time of exposure.

Code	Text	Definition
-9	Unknown	The type of respiratory protection, if any, is not known.
1	None	No respiratory protection.
2	Unapproved Dust Mask/Bandana	Disposable dust mask or a cloth bandana covering the nose and mouth.
3	Half Face Respirator, Other or Unspecified	A protective device with a facepiece covering the mouth and nose to prevent inhalation of harmful substances. [Ref.: ANSI® Z88.2-1980 definitions (facepiece and respirator)]. The following respirators are excluded: 1) HALF FACE RESPIRATOR, PARTICULATE (Code 4), and 2) HALF FACE RESPIRATOR, ORGANIC VAPOR (Code 5).
4	Half Face Respirator, Particulate	A protective device with a facepiece covering the mouth and nose to prevent inhalation of harmful substances. [Ref.: ANSI® Z88.2-1980 definitions (facepiece and respirator)]. The filter medium is designed to reduce inhaled particulates (dust, mist, fumes, fog, and smoke). This includes filtering facepieces with NIOSH certification numbers under TC-84A (N95, etc. – these certification numbers refer to the certification filter series and efficiency level).
5	Half Face Respirator, Organic Vapor	A protective device with a facepiece covering the mouth and nose to prevent inhalation of harmful substances. [Ref.: ANSI® Z88.2-1980 definitions (facepiece and respirator)]. The filter medium is designed to remove gases and vapors. These protective devices have certification numbers under TC-23C.
6	Full Face Respirator	A protective device with a facepiece covering the mouth, nose and eyes to prevent inhalation of harmful substances. [Ref.: ANSI® Z88.2-1980 definitions (facepiece and respirator)]. Since a full face respirator also provides eye protection, 'FULL FACE RESPIRATOR' is also listed in the eyetext field associated with 'OTHER' eye protection.
7	SCBA	Self Contained Breathing Apparatus. Since SCBA also provides eye protection, 'SCBA is also listed in the eyetext field associated with 'OTHER' eye protection.

TREFTASK

Specific task performed by the affected individual at the time of the exposure.

Code	Text	Definition
1	Clean Repair	Applicator or mixer/loader was exposed through cleaning, repairing or conducting maintenance on pesticide contaminated equipment and personal protective equipment. This task excludes individuals whose activity is classified as 'MECHANICAL'.
2	Tractor Driver	Driving a tractor in or around an agricultural field performing tasks not associated with a pesticide application.
3	Irrigator	Performing tasks associated with the irrigation of agricultural fields.
998	Not Applicable	No listed tasks apply.

TREFTOXICITY

The toxicity category of the product based on a set of hazard indicators used by the U. S. EPA. These indicators are:

1) oral LD₅₀, 2) inhalation LD₅₀, 3) dermal LD₅₀, 4) eye effects, 5) skin effects.

Code		Definition
1	Toxicity Category I	High toxicity. The signal word "DANGER" must appear on the front of the label.
2	Toxicity Category II	Moderate toxicity. The signal word "WARNING" must appear on the front of the label.
3	Toxicity Category III/IV	Low toxicity. The signal word "CAUTION" must appear on the front of the label.
-9	Unknown	The toxicity category of the product is not known.
998	Not applicable	Does not apply.

Section 3

Other Code Definitions

This section contains code definitions for the remaining data fields where no reference table exists. of the data fields within the PISP database. Each code definition table lists the data field and corresponding definition. The table lists the code number text name and definition for each entry.

AG_NONAG

Indicates whether the suspected pesticide(s) were intended to contribute to the production of agricultural commodities.

Code	Text	Definition
1	AGRICULTURAL	The pesticide(s) were intended to contribute to the production of agricultural commodities, including livestock. This includes: 1) agricultural research facilities, 2) handling of raw agricultural commodities in packing houses, 3) drift from agricultural applications into non-agricultural areas, and 4) transportation and storage of pesticides on farm lands. It excludes forestry operations, although they are classified as agricultural for regulatory purposes. It also excludes manufacture, transportation, and storage of pesticides prior to arrival at the site of agricultural production.
2	NON-AGRICULTURAL	The pesticide(s) were not intended to contribute to the production of agricultural commodities. This includes: 1) residential pesticide uses, 2) structural pest control, 3) rights-of-way, 4) parks, 5) landscaped urban areas, and 6) manufacture, transportation and storage of pesticides except on farm lands.
998	NOT APPLICABLE	No pesticide involved.

DISABILITY

Number of full days an individual missed work or normal activity such as school.

Code	Text/Numeric	Definition
-9	UNKNOWN	Unable to determine if the affected person missed any days of work or normal activity.
	Numeric	Specific number of missed days.
999	INDEFINITE	Disability occurred, but the extent is not known.

GENDER

Gender of the exposed individual.

Code	Description
-9	Unknown Gender
1	Male
2	Female

HOSPITAL

Number of full days (24-hour periods) an individual was hospitalized.

Code	Text/Numeric	Definition
-9	UNKNOWN	Unable to determine if hospitalization occurred.
	Numeric	Specific number of hospitalization days. The length of stay in the hospital includes time spent in the emergency room prior to hospital admittance.
999	INDEFINITE	Hospitalization occurred, but the extent is not known.

OCCUP_OCCUP

The relationship between the illness/injury and the individual's work.

Code	Text	Definition
1	OCCUPATIONAL	Work related. The individual was on the job at the time of the incident. This includes both paid employees and volunteers working in similar capacity to paid employees.
2	NON-OCCUPATIONAL	Not work related. The individual was not on the job at the time of the incident. This category includes individuals on the way to or from work (before the start or after the end of their workday).